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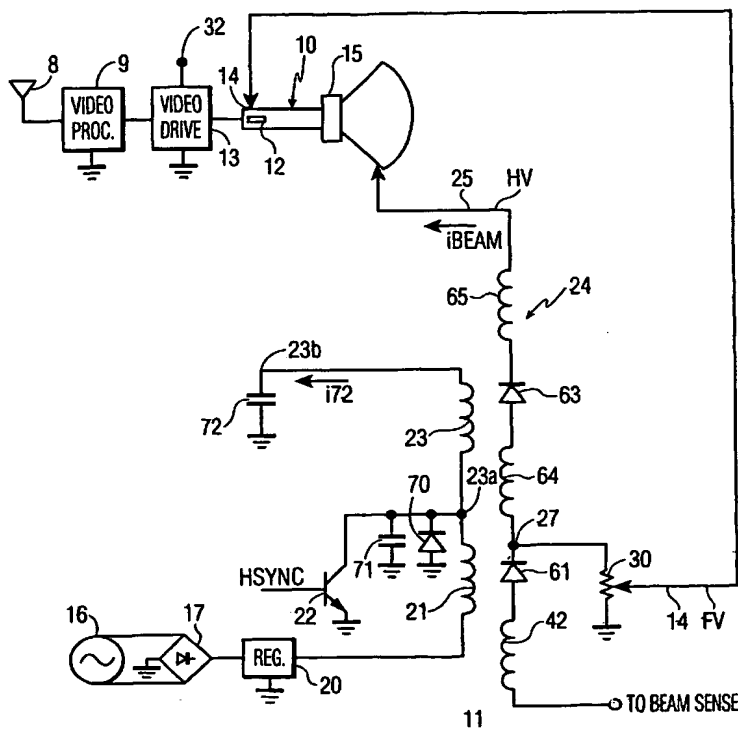
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(54) Title: PASSIVE COMPENSATION OF FOCUS TRACKING UTILIZING WINDING AND CAPACITOR



(57) Abstract: A video display apparatus includes a cathode ray tube and a high voltage transformer. The high voltage transformer incorporates a high voltage winding for producing an anode voltage in the cathode ray tube. The high voltage winding has a tap which provides a focus voltage for the electron gun assembly of the cathode ray tube. The transformer also includes a primary winding which is included in a resonant circuit. A third winding has a second portion that is wound to be closely coupled to the portion of the high voltage winding not associated with the generation of focus voltage. The third winding is coupled between the primary winding and a capacitor to produce a current that controls a variation of a ratio between the focus voltage and the anode voltage as a function of variation in a beam current in the cathode ray tube.



ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,  
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# INTERNATIONAL SEARCH REPORT

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## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : H01J 29/70

US CL : 315/411, 364, 384, 348/805, 806, 807

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,252,361 B1 (FERNSLER) 26 JUNE 2001, COL.1, LINES 65-67, COL.2, LINES 1-67 AND COL.3, LINES 1-34.	1-5
Y	US 6,256,074 B1 (WILBER ET AL) 03 JULY 2001, FIGURES 1-2, COL.2, LINES 42-67 TO COL.6, LINES 1-31.	6-7
Y	US 4,742,270 A (FERNSLER ET AL) 02 MAY 1988, FIGURE 3, COL.3, LINES 57-67 TO COL.4, LINES 1-63.	6-7
Y	US 4,645,990 A (WILLIS) 24 FEBRUARY 1987, FIGURE 3, COL.6, LINES 13-67 TO COL.8, LINES 1-14.	6-7

☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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"O" document referring to an oral disclosure, use, exhibition or other means	
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